

Title (en)

Protected needle catheter placement device with sampling provisions

Title (de)

Vorrichtung zum Setzen eines Katheters mit geschützter Nadel, Einrichtung zur Abnahme

Title (fr)

Dispositif pour placer un cathéter avec aiguille protégée, moyens de prélèvement

Publication

EP 0820783 B1 20021106 (EN)

Application

EP 97305411 A 19970718

Priority

US 68529396 A 19960723

Abstract (en)

[origin: US5685855A] A needle assembly has an elongate hollow handle with a proximal end with provisions for attaching a fluid handling device and a distal end with an opening. The assembly has a needle with a distal point, a proximal end and an open passageway. The assembly also has an elongate substantially transparent needle hub with a distal end portion that has the needle fixedly attached. The needle hub is disposed for coaxial slidable movement within the hollow handle from a first position wherein the needle projects outwardly from the handle. The needle hub includes an elongate flashback chamber inside that is fluidly connected to the needle for viewing flashback. The needle hub is operatively biased for axial movement from the first position to a proximal rest position within the handle. When the needle hub is in the proximal position, the needle is substantially contained within the handle. The hollow handle has a latch that releasably retains the needle hub in the first position and an operative trigger to release the latch so that the operatively biased hub moves axially. The assembly has a hollow flexible tube inside the hollow handle extending from the proximal end of the hub to the attachment for the fluid handling device. When the hub is in the first position, the tube connects the flashback chamber to the attachment for the fluid handling device. When the latch is released and the needle hub moves to the proximal rest position, the flexible tube substantially collapses.

IPC 1-7

A61M 25/06; **A61M 5/32**

IPC 8 full level

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CPC (source: EP US)

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Cited by

DE102013224874A1; WO2007094841A1; DE102013224874B4

Designated contracting state (EPC)

DE ES FR GB IT

DOCDB simple family (publication)

US 5685855 A 19971111; AU 2876697 A 19980129; AU 716353 B2 20000224; BR 9704059 A 19981222; CA 2210665 A1 19980123; CN 1173376 A 19980218; DE 69716830 D1 20021212; DE 69716830 T2 20030618; EP 0820783 A1 19980128; EP 0820783 B1 20021106; ES 2186843 T3 20030516; JP 2962285 B2 19991012; JP H1057498 A 19980303; SG 152897 A1 20090629

DOCDB simple family (application)

US 68529396 A 19960723; AU 2876697 A 19970721; BR 9704059 A 19970722; CA 2210665 A 19970716; CN 97115446 A 19970722; DE 69716830 T 19970718; EP 97305411 A 19970718; ES 97305411 T 19970718; JP 19243097 A 19970717; SG 1997002469 A 19970716